

Waste Transfer Stations

www.werner-weber.com

compaction unit

transfer system

container



Transfer Stations



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Waste transfer stations are facilities where municipal solid waste is unloaded from collection vehicles and briefly held while it is reloaded onto larger long-distance transport vehicles for shipment to landfills or other treatment or disposal facilities. By combining the loads of several individual waste collection trucks into a single shipment, communities can save money on the labor and operating costs of transporting the waste to a distant disposal site. Although waste transfer stations help reduce the impacts of trucks traveling to and from the disposal site, and improves the utilization of collection equipment by minimizing transportation time and efficiently moving large volumes of waste to the disposal sites.

Werner & Weber WP-Series Compactors are built tough for the high demands of transfer stations or heavy industrial applications. The Werner & Weber transfer compactors in combination with a container traversing system provides a highly effective method of reducing transport costs. The systems compacts waste directly into roll on/off containers, these containers range in their capacity from 20m³ to 60m³. The net weight can be ascertained with the aid of a weighing system during or after compaction.

Layout and design confirm to the regulations in all respects (CE-standard). Special safety functions as safety barriers, light barriers, safety bar, optical and acoustical warning and more ensure high operational safety and long life.





Specification WP700-70

The WP700-70 is our large sized transfer compactor with a waste through put rate of 504m³/hour (continuous) and with a swept volume of 7.4m³. That makes this powerful compactor a natural choice in the design of high volume waste transfer stations. This extremely powerful compactor is capable of transfer loading huge amounts of waste material quickly and efficiently into the largest of bulk containers. Massive sections are used throughout to ensure that no distortion takes place during the compaction process. The compaction ram penetrates the container by 800mm to ensure maximum compaction and eliminating spill-back. The construction includes hydraulic grab claw container attachments for quick and comfortable container changeover. The compactor is operated by means of push buttons from the control room. For comfort and servicing an additional control desk is located at the compactor. Werner & Weber Transfer System Compactors can be fitted with a variety of options, such as container traversing systems, to suit your application.

Performance

The WP700-70 transfer compactor in combination with an additionally container traversing system can handle practically up to 340m³ waste per hour. Depending from the kind and density of waste this correlates to approx. 50 tons/hour reloaded waste. Container payloads up to 15 tons can be reached, hence 3- 4containers can be filled within 1 hour. When using a container traversing system the time necessary for changing the containers is approx. 5 minutes, from this follows that as an optimum filling of 1 container takes approx. 12 minutes.



SPECIFICATIONS		WP700-70	STP4900S-50	STP3300S-500
cylinder stroke	[mm]	4000	3000	2500
compaction force	[kN]	700	500	500
compaction pressure	[N/cm ²]	28	26	42
charge box opening (l/w)	[mm]	3000 x 2000	2250 x 1840	2000 x 1840
pressplate dim. (w/h)	[mm]	2000 x 1200	1900 x 1000	1700 x 700
ram penetration	[mm]	800	550	320
charge box volume	[m ³]	8,0	5,49	3,34
volume per stroke	[m ³]	7,4	4,66	2,98
maximum capacity (fast traverse)	[m ³ /h]	504	448	312
cycle time (fast traverse)	[sec]	48	34	34
Electric motor	[kW]	30	22	15
max. pressure	[bar]	275	200	240
noise level	[dB(A)]	<85	<85	<85
weighth w.o. accessories	[kg]	~14.200	~9500	~4050

Technical modifications reserved



Dealers & Branches

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